

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	37	("4019109"   "4485339"   "4506204"   "4506205"   "4507597"   "4516253"   "4694477"   "4952858"   "5140242"   "5178357"   "5310157"   "5327060"   "5345206"   "5370352"   "5390892"   "5528118"   "5549270"   "5631506"   "5669594"   "5693990"   "5744924"   "5794909"   "5806193"   "5833204"   "6021991").PN. OR ("6355994").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/30 09:17
S1	2	("5986827" "20020163741").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/02 13:42
S2	2668	(six adj2 (axis axes degree)) and (wafer chip)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/02 13:43
S3	1832	S2 and (optic optical)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/02 13:47
S5	903	S3 and (measur\$3 with (position inclin\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/02 13:48
S6	12	"798812"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/05 07:16
S7	11331	(355/53,72-76 310/10/12 318/611, 649,653 356/614).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 14:19
S8	679	(356/614).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/05 07:18

## EAST Search History

S9	1329498	position\$3 and measur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/05 08:31
S13	20111	S9 and ((six) with (axis axes modes degree freedom pivot axle shaft hinge))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 14:20
S14	1145	S13 and ((remove eliminate avoid forgo) with (contact friction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 14:38
S15	465	S14 and magnet\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/05 10:34
S16	1330535	position\$3 and measur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 08:25
S17	20130	S16 and ((six) with (axis axes modes degree freedom pivot axle shaft hinge))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 08:25
S18	2421	S17 and elastic	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 08:26
S19	1145	S17 and ((remove eliminate avoid forgo) with (contact friction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 08:26
S20	465	S19 and magnet\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 08:26
S21	125	S20 and elastic	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 09:01

## EAST Search History

S22	64	S21 and mirror	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 09:38
S35	135116	(lithography photolithography)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 13:14
S36	571	S35 and ((measure detect) adj3 (angle inclination))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 13:16
S37	178	S35 and "wave aberration"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 13:14
S38	1153	S35 and ((measure detect determine) adj3 (angle inclination))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 14:55
S39	7	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 13:16
S40	961	(356/124).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 14:37
S41	18	S40 and ((six) with (axis axes modes degree freedom pivot axle shaft hinge)).	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 14:20
S42	0	("2005/0206880").URPN.	USPAT	OR	ON	2006/06/06 14:32
S43	19	S40 and ((remove eliminate avoid forgo) with (contact friction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 14:39

## EAST Search History

S45	43	S40 and ((measure detect determine) adj3 (angle inclination))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 15:04
S46	8	("6618146" "6144719" "6097790" "6081581" "6078640" "5828572" "5467637" "5317615").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 15:05
S47	8	("6888620" "6029959" "20060012258" "6129185" "5438174" "6327026" "6688439" "20010052970").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 15:07
S48	5	("5896961" "6327026" "6084329" "20020163741" "5095764").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 15:08
S49	20	S46 S47 S48	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/06 15:08
S50	5	("2002/0163741").URPN.	USPAT	OR	ON	2006/06/07 07:10
S56	135116	(lithography photolithography)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:06
S57	2046	S56 and (optic\$2 adj2 (position mov\$3 adjust))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:33
S58	31	S57 and "PL" and (triang\$5 same (lens optic\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:08
S59	136	S57 and (triang\$5 same (lens optic\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:25

## EAST Search History

S60	105	S59 not S58	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:11
S61	4571	S56 and ((lens optic\$2) adj2 (position mov\$3 adjust\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:12
S65	924	S57 and (UV ultraviolet)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:15
S66	128	S65 and (triang\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:17
S68	15	S56 and (mirror with "and" with (laser interf\$9))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:36
S69	48	S65 and (triang\$5 same (lens optic\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:25
S70	19	("20010008440"   "20010012154"   "20010023042"   "20010038497"   "20010053489"   "20020126380"   "20030086171"   "4993823"   "5184176"   "5805273"   "6084708"   "6191880"   "6201634"   "6248486"   "6252712"   "6285512"   "6307688"   "6366404"   "6646718").PN. OR ("6879379"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 09:26
S71	18	("3957359"   "4017878"   "4161120"   "5249082"   "5521764"   "5774274"   "5966248").PN. OR ("6307688").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 09:26
S73	13587	S56 and (optic\$2 and hold)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:33

## EAST Search History

S74	4049	S56 and (optic\$2 with hold\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:35
S75	9277	(optic\$2 with hold\$3) and (UV ultraviolet)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:35
S77	2261	S75 and (mirror with (laser interf\$9))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:36
S79	591	S77 and piezo\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/06/07 09:38
S80	10	("5172160"   "5473410"   "5528118"   "5623853"   "5781277"   "5959427"   "6008885"   "6036162"   "6359688"   "6522388").PN. OR ("6879375").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 09:44
S81	1	("5638211").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/07/06 09:40
S82	137527	(lithography photolithography)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:05
S83	180	S82 and "wave aberration"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:05
S88	7	S83 and ((align calibrat\$3) with aberration)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:13
S89	0	S83 and ((align calibrat\$3) with aberrometer)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:14

## EAST Search History

S90	1	S83 and aberrometer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:14
S91	106	aberrrometer	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:14
S92	38	S91 and calibrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:15
S93	5	S91 with calibrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 09:15
S94	1	("6658282").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/07/06 09:40
S95	33	(US-20020163741-\$ or US-20040179192-\$ or US-20040227915-\$ or US-20040036846-\$ or US-20030035090-\$ or US-20020166982-\$ or US-20010055117-\$ or US-20050134862-\$ or US-20030213382-\$ or US-20040214483-\$ or US-20040189938-\$).did. or (US-6885465-\$ or US-6841323-\$ or US-6741332-\$ or US-5172160-\$ or US-6879375-\$ or US-5654553-\$ or US-7057193-\$ or US-6859257-\$ or US-6437864-\$ or US-6355994-\$ or US-6184596-\$ or US-5925956-\$ or US-5818137-\$ or US-6671039-\$ or US-6081581-\$ or US-6922293-\$ or US-6873478-\$ or US-6331885-\$ or US-6774981-\$ or US-6831737-\$ or US-5638211-\$ or US-6637884-\$). did.	US-PGPUB; USPAT	OR	ON	2006/07/06 10:48

## EAST Search History

S96	17	S95 and (ultraviolet UV)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:46
S97	1	S95 and (cool\$3 with radiat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 11:28
S98	33	(US-20020163741-\$ or US-20040179192-\$ or US-20040227915-\$ or US-20040036846-\$ or US-20030035090-\$ or US-20020166982-\$ or US-20010055117-\$ or US-20050134862-\$ or US-20030213382-\$ or US-20040214483-\$ or US-20040189938-\$).did. or (US-6885465-\$ or US-6841323-\$ or US-6741332-\$ or US-5172160-\$ or US-6879375-\$ or US-5654553-\$ or US-7057193-\$ or US-6859257-\$ or US-6437864-\$ or US-6355994-\$ or US-6184596-\$ or US-5925956-\$ or US-5818137-\$ or US-6671039-\$ or US-6081581-\$ or US-6922293-\$ or US-6873478-\$ or US-6331885-\$ or US-6774981-\$ or US-6831737-\$ or US-5638211-\$ or US-6637884-\$). did.	US-PGPUB; USPAT	OR	ON	2006/07/06 13:46
S99	7	S98 and (develop)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:46
S10 0	137527	(lithography photolithography)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:47
S10 1	18700	S100 and develop	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:48



## EAST Search History

S10 2	74	S101 and (method with develop).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:51
S10 3	6	S101 and (method with develop).ab. and (method same expose).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:51
S10 5	33	S102 and expose	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:56
S10 6	30429	S100 and ((many several multiple) with layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 13:56
S10 7	2704	S106 and expose and develop	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 14:35
S10 9	4	S106 and (expose with develop).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/06 14:37
S11 1	19	S100 and (expose with develop).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 07:24
S11 2	6	((("20020018192") or ("6501535") or ("6747783") or ("6724464") or ("6788393") or ("6198527"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/07/07 07:29
S11 3	9	"981976"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 07:29
S11 4	137527	(lithography photolithography)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 08:44

## EAST Search History

S11 5	180	S114 and "wave aberration"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 08:52
S11 6	76	S115 and (aberr\$5 with (position align focus))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 09:18
S11 7	75	S115 and (aberr\$5 with (position focus distance))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 09:31
S11 8	14	"291270"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 10:12
S11 9	1	"20020018192"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/07 10:12
S12 0	36	(US-20020018192-\$ or US-20040227915-\$ or US-20040036846-\$ or US-20030213382-\$ or US-20030035090-\$ or US-20040174506-\$ or US-20050134862-\$ or US-20020166982-\$ or US-20010055117-\$ or US-20010028052-\$ or US-20030121022-\$ or US-20030081722-\$ or US-20040179192-\$ or US-20020163741-\$ or US-20040214483-\$).did. or (US-6331885-\$ or US-6841323-\$ or US-6741332-\$ or US-6437864-\$ or US-6355994-\$ or US-6184596-\$ or US-5925956-\$ or US-5818137-\$ or US-5638211-\$ or US-6873478-\$ or US-6879375-\$ or US-5654553-\$ or US-5172160-\$ or US-7057193-\$ or US-4215192-\$ or US-7019846-\$ or US-6869807-\$ or US-6671039-\$ or US-6922293-\$ or US-6081581-\$ or US-6774981-\$).did.	US-PGPUB; USPAT	OR	ON	2006/07/10 09:57

## EAST Search History

S12 1	10	S120 and piezo\$	US-PGPUB; USPAT	OR	ON	2006/07/10 10:16
S12 2	3	S120 and peltier	US-PGPUB; USPAT	OR	ON	2006/07/10 10:38
S12 3	1	S120 and "vacuum bulkhead"	US-PGPUB; USPAT	OR	ON	2006/07/10 11:00
S12 4	28	S120 and vacuum	US-PGPUB; USPAT	OR	ON	2006/07/10 10:59
S12 5	1	S120 and bulkhead	US-PGPUB; USPAT	OR	ON	2006/07/10 10:59
S12 6	137612	(lithography photolithography)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/10 11:00
S12 7	4	S126 and "vacuum bulkhead"	US-PGPUB; USPAT	OR	ON	2006/07/10 13:36
S12 8	137612	(lithography photolithography)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/10 13:37
S12 9	141	S128 and (((vacuum) with (bulkhead window)) same (steel titanium ceramic\$1 glass))	US-PGPUB; USPAT	OR	ON	2006/07/10 13:51
S13 0	0	S129 and (purge same helium)	US-PGPUB; USPAT	OR	ON	2006/07/10 13:51
S13 1	36	S129 and (helium)	US-PGPUB; USPAT	OR	ON	2006/07/10 13:51
S13 2	325	S128 and (vacuum) and (purge same helium)	US-PGPUB; USPAT	OR	ON	2006/07/10 13:53
S13 3	63	S132 and (vacuum with window)	US-PGPUB; USPAT	OR	ON	2006/07/10 13:57
S13 5	1	S132 and "differential exhaust"	US-PGPUB; USPAT	OR	ON	2006/07/10 13:57

## EAST Search History

S13 6	40	(US-20020018192-\$ or US-20040227915-\$ or US-20040036846-\$ or US-20030213382-\$ or US-20030035090-\$ or US-20040174506-\$ or US-20050134862-\$ or US-20020166982-\$ or US-20010055117-\$ or US-20010028052-\$ or US-20030121022-\$ or US-20030081722-\$ or US-20040179192-\$ or US-20020163741-\$ or US-20040214483-\$).did. or (US-6331885-\$ or US-6841323-\$ or US-6741332-\$ or US-6437864-\$ or US-6355994-\$ or US-6184596-\$ or US-5925956-\$ or US-5818137-\$ or US-5638211-\$ or US-6873478-\$ or US-6879375-\$ or US-5654553-\$ or US-5172160-\$ or US-7057193-\$ or US-4215192-\$ or US-7019846-\$ or US-6869807-\$ or US-6671039-\$ or US-6922293-\$ or US-6081581-\$ or US-6774981-\$ or US-6477898-\$ or US-4886570-\$ or US-5353323-\$ or US-6940582-\$).did.	US-PGPUB; USPAT	OR	ON	2006/07/10 14:45
S13 7	12	S136 and develop	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/07/10 14:45